PORTAL

USPTO

Search: The ACM Digital Library The Guide

spatial and quer* and distance* and (sort* or arrang*) and vo SEARCH

THE ACM DIGITAL LIBRARY

Advanced Search

Search Tips

Enter words, phrases or names below. Surround phrases or full names with double quotation marks.

Search within Results: 3,973 found

spatial and quer* and distance* and (sort* or arrang*) and voronoi and breadth-first

Clear result set

SEARCH

Desired Results:
must have all of the words or phrases

must have any of the words or phrases

must have none of the words or phrases

Name or Author/Editor/Reviewer:
Author by: all any none

Editor by: all any none

Reviewer by: all any none

Only search in:*
Title Abstract Review All Information

SEARCH

*Searches will be performed on all available information, including full text where available, unless specified above.

ISBN / ISSN: Exact Expand

DOI: Exact Expand

SEARCH

Published:
By: all any none

In: all any none

Since: Month Year

Before: May 2000

As: Any type of publication

Conference Proceeding:
Sponsored By:

Conference Location:

Conference Year:
yyyy

SEARCH

Classification: (CCS) Primary Only

Classified as: all any none

Subject Descriptor: all any none

Keyword Assigned: all any none

Results must have accessible:
Full Text Abstract Review

and Published before May 2000
Terms used spatial and quer and distance and sort or arrang and voronoi and breadth first

Found 6 of 6

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 6 of 6

Relevance scale

1 Incremental distance join algorithms for spatial databases
Gísli R. Hjaltason, Hanan Samet
June 1998 **ACM SIGMOD Record , Proceedings of the 1998 ACM SIGMOD international conference on Management of data**, Volume 27 Issue 2
Publisher: ACM Press , ACM Press
Full text available: pdf(1.80 MB) Additional Information: full citation, abstract, references, citings, index terms

Two new spatial join operations, distance join and distance semi-join, are introduced where the join output is ordered by the distance between the spatial attribute values of the joined tuples. Incremental algorithms are presented for computing these operations, which can be used in a pipelined fashion, thereby obviating the need to wait for their completion when only a few tuples are needed. The algorithms can be used with a large class of hierarchical spa ...

2 Gross motion planning—a survey
Yong K. Hwang, Narendra Ahuja
September 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 3
Publisher: ACM Press
Full text available: pdf(6.40 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Motion planning is one of the most important areas of robotics research. The complexity of the motion-planning problem has hindered the development of practical algorithms. This paper surveys the work on gross-motion planning, including motion planners for point robots, rigid robots, and manipulators in stationary, time-varying, constrained, and movable-object environments. The general issues in motion planning are explained. Recent approaches and their performances are briefly described, a ...

Keywords: collision detection, computational geometry, implementation, motion planning, obstacle avoidance, path planning, spatial representation

3 Automatic reconstruction of surfaces and scalar fields from 3D scans
Chandrajit L. Bajaj, Fausto Bernardini, Guoliang Xu
September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**
Publisher: ACM Press
Full text available: pdf(443.88 KB) Additional Information: full citation, references, citings, index terms

Keywords: algebraic surfaces, alpha-shapes, geometric modeling, range data analysis, shape recovery, triangulations

4 Accurate computation of the medial axis of a polyhedron
Tim Culver, John Keyser, Dinesh Manocha
June 1999 **Proceedings of the fifth ACM symposium on Solid modeling and applications**
Publisher: ACM Press
Full text available: pdf(1.59 MB) Additional Information: full citation, references, citings, index terms

5 Visibility-ordering meshed polyhedra
Peter L. Williams

April 1992 **ACM Transactions on Graphics (TOG)**, Volume 11 Issue 2
Publisher: ACM Press
Full text available: pdf(1.83 MB) Additional Information: full citation, abstract, references, citings, index terms, review

A visibility-ordering of a set of objects from some viewpoint is an ordering such that if object a obstructs object b, then b precedes a in the ordering. An algorithm is presented that generates a visibility-ordering of an acyclic convex set of meshed convex polyhedra. This algorithm takes time linear in the size of the mesh. Modifications to this algorithm and/or preprocessing techniques are described that permit nonconvex ...

Keywords: Delaunay triangulation, depth ordering, finite element methods, mesh generation, point location, scattered data, scientific visualization, triangulation, visibility ordering, volume rendering, volume visualization

6 Building and traversing a surface at variable resolution
Leila De Floriani, Paola Magillo, Enrico Puppo
October 1997 **Proceedings of the 8th conference on Visualization '97**
Publisher: IEEE Computer Society Press
Full text available: pdf(1.19 MB) Additional Information: full citation, references, citings, index terms
Publisher Site

Results 1 - 6 of 6